

ABSTRACT OF THE DISCLOSURE

The disclosure is a NAND flash memory with the function of error checking and correction during a page copy operation. The NAND flash memory is able to prohibit transcription of erroneous bits to a duplicate page from a source page. Embodiments of the
5 inventive flash memory include a correction circuit for correcting bit errors of source data stored in a page buffer, a circuit configured to provide the source data to the correction circuit and to provide correction data to the page buffer, and a copy circuit configured to copy the source data to the page buffer, and to store the correction data in the other page from the page buffer.

10